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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/602,353
		Filing Date	June 23, 2003
		First Named Inventor	Kwok
		Art Unit	2816
		Examiner Name	Le, Dinh Thanh
Total Number of Pages in This Submission		Attorney Docket Number	71748/7262

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	1) Form PTO 1449
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	2) Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)		3) Nine (9) References
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

## REMARKS:

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Individual name	Scott J. Menghini, Reg. No. 42,880
Signature	
Date	March 25, 2004

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 the date shown below.

March 25, 2004

Typed or printed name	Scott J. Menghini		
Signature		Date	March 25, 2004

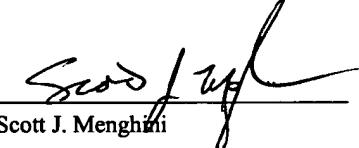
This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Docket No. 71748/7262

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s):	Kwok	)	<u>Certificate of Transmission/Mailing</u>
Application No.:	10/602,353	)	I hereby certify that this correspondence is being
Filed:	June 23, 2003	)	facsimile transmitted to the USPTO, Fax. No. (703)
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		)	Service with sufficient postage as first class mail in
		)	an envelope addressed to: Commissioner for Patents,
		)	P.O. Box 1450, Alexandria, VA 22313-1450, on the
		)	date shown below:
Art Unit:	2816	)	<u>03/25/2004</u> 
Examiner:	Le, Dinh Thanh	)	Scott J. Menghini
Customer No.:	22242	)	Registration No. 42,880
Confirmation No.:	1703	)	Attorney for Applicant

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is submitted:

X

Under 37 CFR §1.97(b) (within three months of the filing date of a national application or date of entry of an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last). However, should a first Office Action on the merits be mailed unbeknownst to the undersigned prior to the date of mailing of this paper, the fee requested under §1.17(p) may be charged to Deposit Account No. 06-1135.

- Under 37 CFR §1.97(c) together with either:
  - a statement under 37 CFR §1.97(e), or
  - a fee under 37 CFR §1.17(p)  
(after the 37 CFR §1.97(b) time period, but before the mailing date of a final Action, a Notice of Allowance, or an action that otherwise closes prosecution).
- Under 37 CFR §1.97(d) together with:
  - a statement under 37 CFR §1.97(e), and
  - a fee under 37 CFR §1.17(p)  
(after the 37 CFR §1.97(c) time period, but on or before payment of the issue fee).

In accordance with the duty of disclosure imposed by 37 CFR § 1.56 to inform the Patent Office of all patents, publications, applications and other information known by Applicants or Applicants' representative that may be material to the examination of the subject application, Applicants' representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 CFR §§ 1.97-1.98 and includes Form PTO-1449 with Nine (9) references listed as items AA-AI.

It is requested that the information provided herein be made of record in this application.

Dated: March 25, 2004

Respectfully submitted,

Scott J. Menghini  
Reg. No. 42,880  
Attorney for Applicant

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Form PTO-1449 (Modified)		Application No.	10/602,353
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>		Filing Date	June 23, 2003
		First Named Inventor	Kwok
		Group Art Unit	2816
		Examiner Name	Le, Dinh Thanh
Sheet 1 of 1		Attorney Docket No.	71748/7262

### U.S. PATENT DOCUMENTS

EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	U.S. PATENT DOCUMENT		NAME OF INVENTOR OR APPLICANT	DATE OF ISSUANCE OR PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	FILING DATE
			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					
	AA		4,931,921		Anderson	06-05-1990			05-30-1989
	AB		5,434,522		Fikart et al.	07-18-1995			09-08-1993
	AC		6,348,830	B1	Rebeiz et al.	02-19-2002			05-08-2000

### OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	AD		<i>Frequency Doublers</i> , <a href="http://www.minicircuits.com/appnote/doub9-2.html">http://www.minicircuits.com/appnote/doub9-2.html</a> , Mini-Circuits, printed October 25, 2001, Four (4) pages
	AE		<i>HIRASUNA, BRIAN et al., #PSPA023: Using Multipliers for Signal Processing</i> , <a href="http://www.pspice.com/upload/appnotes/PSPA023.html">http://www.pspice.com/upload/appnotes/PSPA023.html</a> , printed November 29, 2001, Three (3) pages
	AF		<i>IEEE Transactions on Circuits and Systems—I: Fundamental Theory and Applications</i> , September 1992, p. 773, Vol. 39, No. 9
	AG		<i>KIMURA, KATSUJI et al., Frequency Mixer with a Frequency Doubler for Integrated Circuits</i> , IEEE Journal of Solid-State Circuits, September 1994, Vol. 29, No. 9, pp. 1133-1137
	AH		<i>KIMURA, KATSUJI, A Bipolar Four-Quadrant Analog Quarter-Square Multiplier Consisting of Unbalanced Emitter-Coupled Pairs and Expansions of Its Input Ranges</i> , IEEE Journal of Solid-State Circuits, January, 1994, p. 46, Vol. 29, No. 1
	AI		<i>LAUTE, DR. ANDREAS, Upgrading a 434-MHz Transmitter IC to 868 MHz</i> , Applied Microwave & Wireless, July/August 1988, pp. 68, 70, 72-73

Examiner Signature		Date Considered
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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.